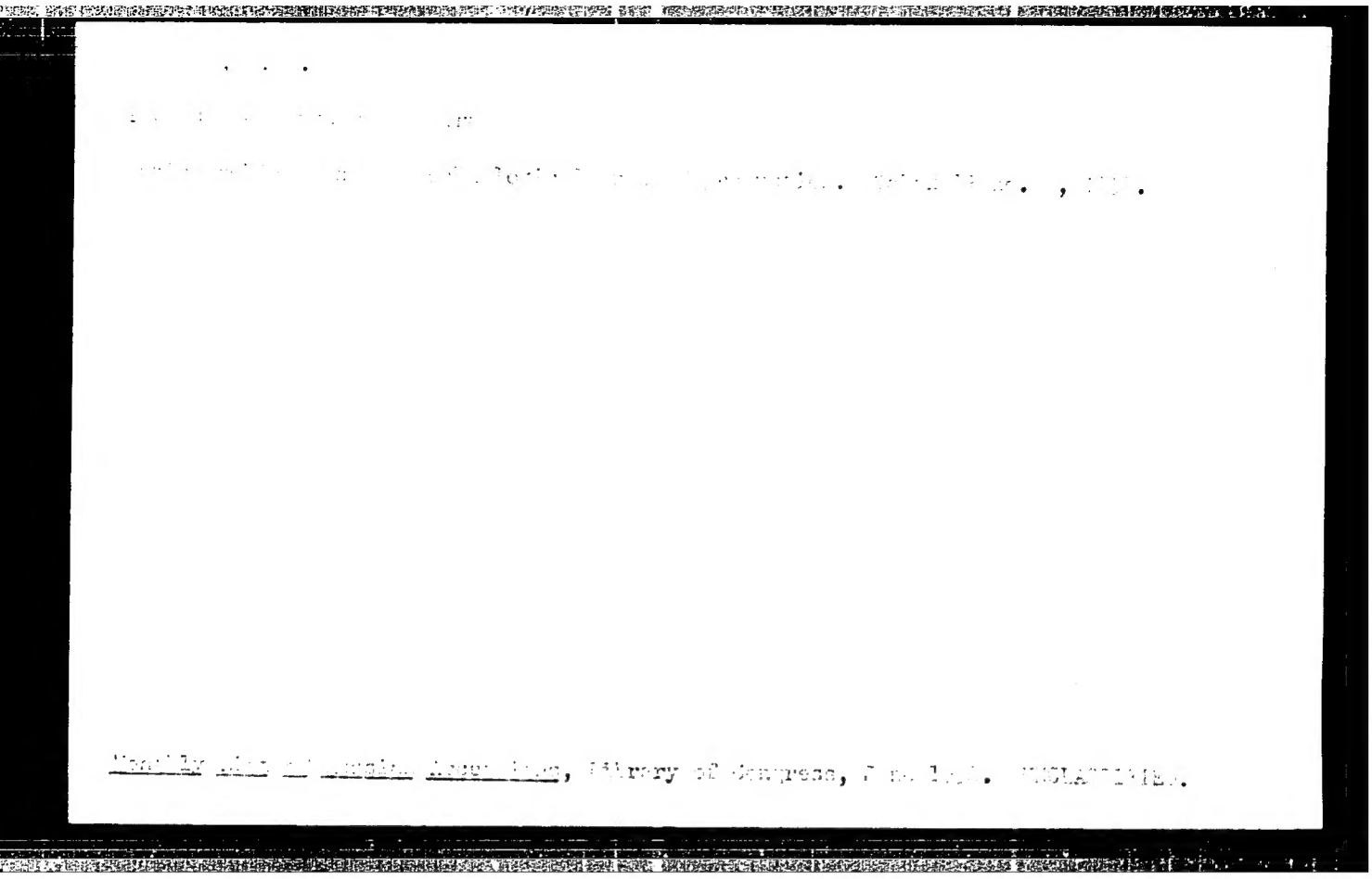
SIMONOV, A. N., inzh.

Improve the process of producing glass on vertical glass drawing machines. Stek. i ker. 20 no.3:6-7 Mr '63. (MIRA 16:4)

1. Zavod im. Oktyabr'skoy revolyutsii.

(Glass manufacture)



SIMONOV, A.P.; SHIGORIN, D.N.; TSAREVA, G.V.; TALALAYEVA, T.V.; KOCHESHKOV, K.A.

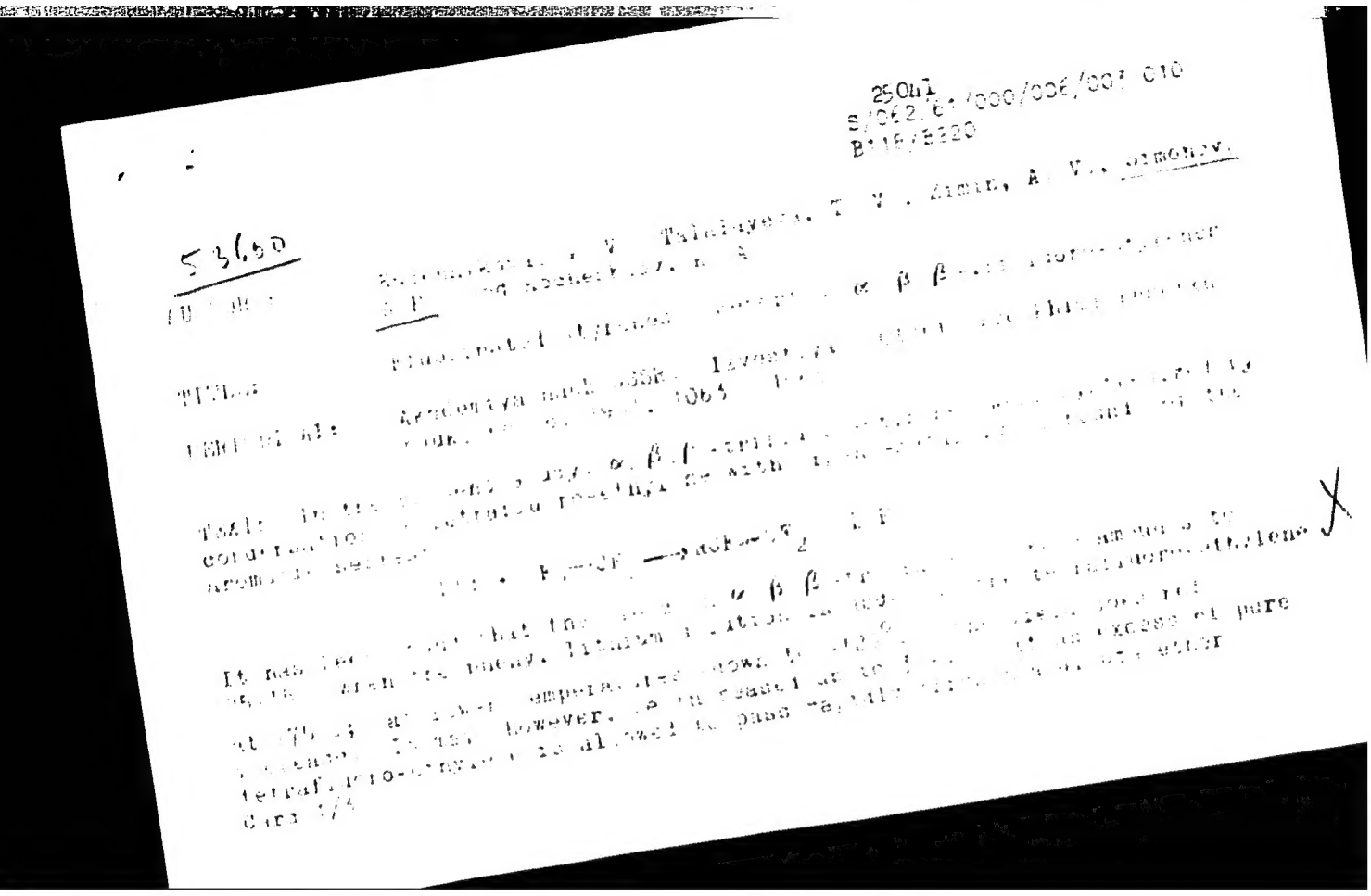
Infrared absorption spectra and the structure of some simple lithium, sodium, and potassium alcoholates. Zhur. prikl. spekt. 3 no. 6:531-537 D '65 (MIRA 19:1)

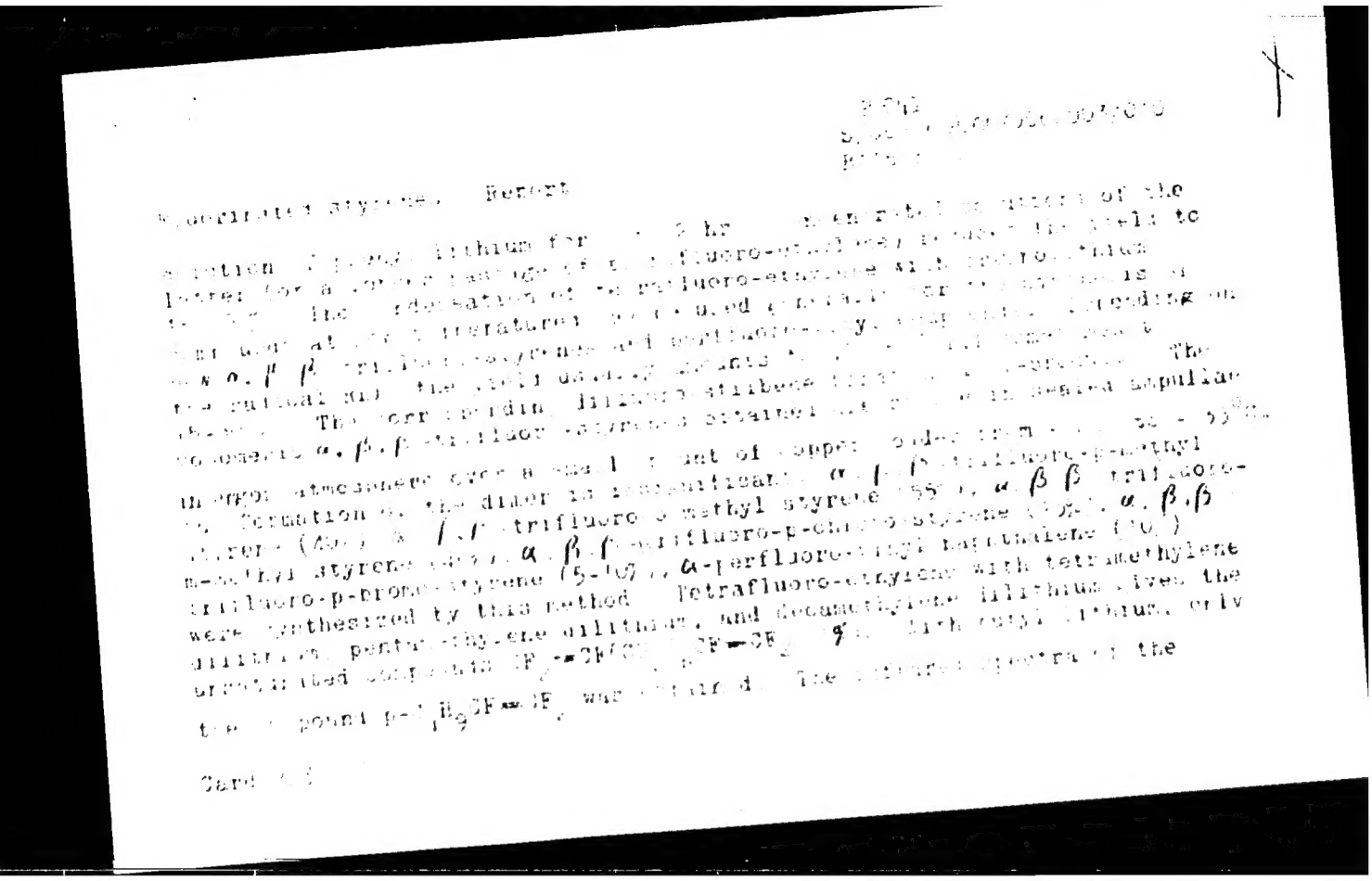
1. Submitted August 18, 1964.

KAZENNIKOVA, G.V.; TALALAYEVA, T.V.; ZIMIN, A.V.; SIMONOV, A.P.; KOCHESHKOV, K.A.

Synthesis of side chain fluorinated vinylnaphthalenes. Izv.AN SSSR. Otd.khim.nauk no.5:835-838 My '61. (MIRA 14:5)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.
(Naphthalene)





Fluorinated styrenes. Report...

compounds obtained were taken. The styrenes were analyzed by the method of A. V. Zimin et al. (Dokl. AN SSSR, 126, 784 (1959)). There are 1 table and 8 references: 2 Soviet-bloc and 6 non-Soviet-bloc. The 3 references to English-language publications read as follows: 1) P. Tarrant, D. A. Warner, J. Amer. Chem. Soc. 76, 1824 (1954); pat. USA 2804464 (1957); 2) S. Dixon, J. Organ. Chem. 21, 400 (1956); 3) D. I. Livingston, P. M. Kamath, R. S. Corley, J. Polymer Sci. 20, 485 (1956); W. G. Bart, J. Polymer Sci. 37, 515 (1959).

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

SUBMITTED: April 1, 1960

Card 3/3

S/020/61/136/003/018/027
B016/B052

AUTHORS: Simonov, A. P., Shigorin, D. N., Talalayeva, T. V., and Kocheshkov, K. A.. Corresponding Member AS USSR

TITLE: Examination of the Structure of Lithium Alcoholates by the Method of Infrared Absorption Spectra. O—Li...O Bond

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 3, pp. 634-637

TEXT: The authors examined the structure of R—O—Li bonds: tert.-C_4H_9OLi, CH_3OLi, C_2H_5OLi, n-C_3H_7OLi, and n-C_4H_9OLi. By measuring various properties of tert.-C_4H_9OLi (under the collaboration of V. N. Vasil'yeva, V. A. Dubovitskiy, and O. V. Nogina) the authors found that the O—Li bond of tert.-C_4H_9OLi is of a co-valent character, and the latter associates already in weak solutions. This was proven by infrared spectra in crystallized state and in solutions (Table 1). In hexane, CCl_4, cyclohexane, dioxan, di- and triethyl amine, these spectra hardly differed from those of the crystallized sample. Therefrom, and from the

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Examination of the Structure of Lithium Alcoholates by the Method of Infrared Absorption Spectra. O—Li...O Bond

S/020/61/136/003/018/027
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indifference of tert.-C_4H_9OLi toward active solvents and temperatures between + 70 and -80°C the authors conclude that its complexes are very constant. They attempted to explain the existence of such solid complexes as follows: 1. three-center intermolecular electron orbits are formed due to the fact that the Li atom of a molecule gives the free p-orbit to those electrons which take part in the O—Li σ-bond of another molecule. Consequently, one pair of valence electrons takes part in the formation of two O—Li...O bonds (see scheme Ia); 2. an acceptor - donor interaction sets in during which the unshared pair of p-electrons of the oxygen atom uses the free p-orbit of lithium in another molecule and thus additionally intensifies the intermolecular bond (I b). From the luminescence spectra of tert.-C_4H_9OLi (crystals and solutions in hexane), the authors conclude that either one electron changes over from the multi-center molecular orbit of the ground state into the excited multi-center orbit, or that the system is excited by the passage of one electron of the unshared pair of the oxygen atom into the multi-center orbit. The four other alcoholates studied, were spectroscopically examined in crystallized state (paste in

Card 2/3

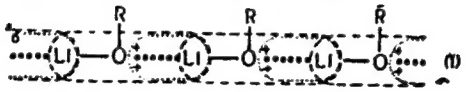
Examination of the Structure of Lithium Alcoholates by the Method of Infrared Absorption Spectra. O—Li...O Bond

S/020/61/136/003/018/027
B016/B052

vaseline or fluorinated oils) (Table 2). Since tert.-C_4H_9OLi is closely associated, the authors conclude that lithium alcoholates and unbranched aliphatic radicals are even more closely associated. This explains their insolubility or low solubility in solvents in which tert.-C_4H_9OLi is easily soluble. The authors approximately assigned the bonds of the four latter alcoholates to the complex oscillations of the associated O—Li groups. A more accurate assignment, however, will become possible by further investigations. There are 2 tables and 21 references: 4 Soviet, 1 US, 3 British, and 2 German.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

SUBMITTED: September 14, 1960



Card 3/3

SIMONOV, A.P.; SHIGORIN, D.N.; TALALAYEVA, T.V.; KOCHESHKOV, K.A.

Infrared absorption spectra of some R - O - Li compounds.
Dokl. AN SSSR 141 no.3:665-667 N '61. (MIRA 14:11)

1. Fiziko khimicheskiy institut im. L.Ya. Karpova. 2. Chlen-korrespondent AN SSSR (for Kocheshkov).
(Lithium organic compounds—Spectra)

SIMONOV, A.P.; SHIGORIN, D.N.; TALALAYEVA, T.V.; KOCHESHKOV, K.A.

Study of the lithium alcoholate structure by the method of infrared absorption spectra; O-Li...O bond. Izv. AN SSSR.Ser.fiz. 26 no.10: 1246-1249 O '62. (MIRA 15:10)

(Lithium alcoholate--Spectra)

SIMONOV, A.P.; SHIGORIN, D.N.; TALALAYEVA, T.V.; KOCHESHKOV, K.A.

Association of tert.C_4H_9OLi in the gaseous state. Izv.AN SSSR.-Otd.khim.nauk no.6:1126 '62. (MIRA 15:8)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.
(Lithium butoxide--Spectra)

GOLOVANOV, I.B.; SIMONOV, A.P.; PISKUNOV, A.K.; TALALAYEVA, T.V.; TSAREVA, G.V.; KOCHESKOV, K.A.

Nuclear magnetic resonance spectra and ebullioscopy of lithium alcoholates. Dokl. AN SSSR 149 no.4:835-837 Ap '63. (MIRA 16:3)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. 2. Chlen-korrespondent AN SSSR (for Kocheshkov).
(Lithium alcoholates--Spectra) (Ebullition)

TALALAYEVA, T. V.; TSAREVA, G. V.; SIMONOV, A. I.; KOCHESHKOV, K. A.

Synthesis and structure of soluble lithium alcoholates. Izv AN SSSR Ser Khim no. 4:638-644 Ap '64. (MIRA 17:5)

AKHMEDOV, A.M., prof.; DUSTOVA, R.T., aspirant; BELOV, Ye.M., kand. veterin. nauk; ANTONOVA, M.Ye., kand. veterin. nauk; NOSKOV, A.I., kand. veterin. nauk; LIPINA, A.N., aspirant; SIMONOV, A.P., aspirant; BOCHAROV, D.A., kand. sel'skokhoz. nauk; KHRENOV, N.M., assistent

Sanitary and veterinary hygiene. Veterinariia 41 no.4:89-100 Ap '64. (MIRA 17:8)

1. Samarkandskiy sel'skokhozyaystvennyy institut (for Akhmedov, Dustova). 2. Nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami molodnyaka sel'skokhozyaystvennykh zhivotnykh Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR. (for Antonova). 3. Vsesoyuznyy nauchno- issledovatel'skiy institut veterinarnoy sanitarii (for Noskov). 4. Institut zhivotnovodstva Ministerstva sel'skogo khozyaystva Uzbekskoy SSR (for Lipina). 5. Vsesoyuznyy institut gel'mintologii imeni akademika K.I. Skryabina (for Simonov). 6. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Bocharov). 7. Khersonskiy sel'skokhozyaystvennyy institut imeni A.D. TSyurupy (for Khrenov).

[redacted], A.S.

Design and construction of ball-type supporting and drawing couplings. Stroi. i dor. mash. 10 no.1:15-16 Ja '65
(MIRA 18:2)

SIMONOV, A.S.

Some results of investigating electropneumatic percussion units with a high number of strokes. Izv. TPI 106:235-243 '58.
(MIRA 11:11)

(Boring machinery--Electric driving)

SIMONOV, A. S.

SIMONOV, A. S.: "The problem of the biology and agricultural engineering of the table watermelon under the conditions of Chkalov Oblast." Min Higher Education USSR. Fruit and Vegetable Inst imeni I. V. Michurin. Michurinsk, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences)

Source: Knizhnaya letopis' No. 28 1956 Moscow

SIMONOV, A.S.

M-3

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10863

Author : Simonov, A.S.

Inst : Chkalov Agricultural Institute.

Title : The Biology and Agricultural Technique of the Edible Watermelon in Chkalovskaya Oblast'.

Orig Pub : Sad i ogorod, 1956, No 12, 22-25

Abstract : In experiments conducted in the study-testing economy of the Chkalov Agricultural Institute (1953-1956), it was found that vernalizing the watermelon seeds for five days and treating them by Dronov's method accelerated passage of the watermelons through the phenophases and maturation of the fruits by ten days. It also increased the yield of standard fruits by 38.6-41.2%. As the nutrition area of the watermelons decreases they pass through growing

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SIMONOV, Aleksandr Sergeyevich, inzh.; TASHKINOV, Vasiliy Aleksandrovich, inzh.; SAVEL'YEV, Ye.Ya., red. izd-va; UVAROVA, A.F., tekhn.red.

[Single-beam bridge cranes] Kran-balki; krany mostovye odnobalochnye. Moskva, Mashgiz, 1963. 199 p. (MIRA 16:7)
(Cranes, derricks, etc.)

L 39419-65 EWT(d) Pg-4 IJP(c)
ACCESSION NR: AR5006738 S/0044/64/000/012/B056/B057

SOURCE: Ref. zh. Matematika, Abs. 12B315

AUTHOR: Simonov, A. S.

TITLE: Fourier's method for an integro - differential equation of the elliptic type

CITED SOURCE: Tr. Nauchn. ob"yedin. fiz.-matem. fak. vuzov Dal'n. Vost., v. 3, 1963, 70-74

TOPIC TAGS: differential equation, integral equation, elliptic equation, Fourier method, functional, boundary value problem

TRANSLATION: The boundary value problem

$$u(\rho, \varphi)|_{\rho=1} = F(\varphi) \qquad (1)$$

for the integro - differential equation

$$\rho\left(\frac{\partial^2 u}{\partial \rho^2} + \frac{\partial u}{\partial \rho}\right) + \frac{\partial^2 u}{\partial \varphi^2} = f(\rho, \varphi) + \lambda \iint_D K(\rho, \varphi, r, \theta) L[u(r, \theta)]\, dD, \qquad (2)$$

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$$L[u] = a(r, \theta)\frac{\partial u}{\partial r} + b(r, \theta)\frac{\partial u}{\partial \theta} + c(r, \theta)u;$$

is solved, where ; the well-known functions entering into (1) and (2) are continuous in the region consisting of a single circle D, and f and K, moreover, are expanded in the interior of the region D according to the series $\rho D_1(\varphi) + \rho^2 D_2(\varphi) + \dots$, $\rho B_1(\varphi, r, \theta) + \rho^2 B_2(\varphi, r, \theta) + \dots$, etc. the second derivatives of which give convergent series; it is also assumed that the derivative with respect to ρ of the first of these series yields a series which is uniformly convergent on the boundary D(ρ=1). Assuming

$$u(\rho, \varphi) = \rho E_1(\varphi) + \rho^2 E_2(\varphi) + \dots,$$

$$\lambda \iint_D K(\rho, \varphi, r, \theta) L[u] dD = \sum_{n=1}^{\infty} \rho^n A_n(\varphi), \quad (3)$$

where $A_n(\varphi) = \lambda \iint_D B_n(\varphi, r, \theta) L[u] dD$, and setting equal the coefficients of terms of first degree in ρ, the author derives a system of differential equations, from which it is possible to express $E_n(\varphi)$ in terms of $A_n(\varphi)$. Calculating this, and operating on (3) by means of the operator $L[\cdot]$, the author constructs an integral equation

$$L[u] = \Phi(\rho, \varphi) + \lambda \iint_D G(\rho, \varphi, r, \theta) L[u] dD \quad (4)$$

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L 39419-65

ACCESSION NR: AR5006738

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using the unknown function L [u] . If one can find this function from (4), then one can find all the solutions to the preceding problem. L. Krivoshein.

SUB CODE: MA ENCL: 00

Card 3/3

PHASE I BOOK EXPLOITATION SOV/5113

Gerlakh, L. N., A. V. Simonov, and Yu. N. Sosenkov

Bystrodeystvuyushcheye pechatayushcheye ustroystvo dlya universal'nykh vychislitel'nykh mashin (High-Speed Printer for General-Purpose Calculating Machines) Moscow, Vychislitel'nyy tsentr AN SSSR, 1960. 23 p. 750 copies printed.

Sponsoring Agency: Vychislitel'nyy tsentr AN SSSR.

Ed.: M. V. Yakovkin; Tech. Ed.: A. I. Korkina.

PURPOSE: This booklet is intended for engineers and other technical personnel concerned with high-speed printers for digital computers.

COVERAGE: This brief booklet describes a new high-speed electro-mechanical printer for use with digital computers. The paper reviews the operating characteristics of existing printers, and describes the operating principles of the new design. Block diagrams of the major sub-system of the new printer and

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descriptions of the operational sequences, format, and programs are presented. There are no references. No personalities are mentioned.

TABLE OF CONTENTS:

MIRLIN, R.Ye., red.; SIMONOV, A.V., red.; LYUBCHENKO, Ye.K., red. izd-va; IYERUSALIMSKAYA, Ye.S., tekhn. red.

[Instruction on the application of deposit classification to oil and gas fields] Instruktsiia po primeneniiu klassifikatsii zapasov k mestorozhdeniiam nefti i gazov. Moskva, Gosgeoltekhizdat, 1960. 30 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po zapasam poleznykh iskopayemykh.

(Oil fields--Classification)
(Gas, Natural--Classification)

SIMONOV, A.V., red.; LYUBCHENKO, Ye.K., red.izd-va; BYKOVA, V.V., tekhn. red.

[Instruction on the application of the ore deposit classification to copper ore deposits] Instruktsiia po primeneniiu klassifikatsii zapasov k mestorozhdeniiam mednykh rud. Moskva, Gosgeoltekhizdat, 1961. 49 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po zapasam poleznykh iskopayemykh.

(Copper ores--Classification)

SIMONOV, A.V.

Work of territorial commissions on mineral resources. Mat GKZ no.3:113-119 '63 (MIRA 18:1)

SIMONOV, A.Ya., inzh.

Moving tower cranes without dismantling them. Mekh. stroi. 20 no.11:24 N '63. (MIRA 17:1)

SIMONOV, B., naladchik

Thus mastery is acquired. Sov.profsoiuzy 7 no.2:26 Ja '59.
(MIRA 12:3)

1. Khodovoy tsekh 1-go chasovogo zavoda, Moskva.
(Clock and watch makers)

FOMICHEV, P., general-mayor; SIMONOV, B., inzhener-polkovnik

Study practices in highway maintenance. Tyl i snab. Sov. Voor. Sil 21 no.4:77-80 Ap '61. (MIRA 14:7)
(Military roads)
(Military bridges)

SIMONOV, B.

Ways of the many. Mashinostroitel' no.4:5 Ap '62. (MIRA 15:5)
(Clockmaking and watchmaking--Technological innovations)

SIMONOV, B.I., inzhener.

Repair of worn building machinery parts by the fusing on of hard alloys.
Gor.khoz.Mosk. 27 no. 4:30-31 Ap '53. (MLRA 6:5)
(Machinery--Maintenance and repair)

SIMONOV, D.A.

Using statistical control methods in foundries. Proizv.-tekh.inform. no.4:50-70 '51. (MLRA 10:3)
(Industrial statistics) (Foundries--Quality control)

KUZNETSOV, A.I.; SIMONOV, D.A.

Automatic machine-part production counters on automatic lathes and other metal-cutting machines. Priborostroenie no.9:11 S '56. (MLRA 9:10)

(Counting devices) (Machinery, Automatic)

SIMONOV, D.A.

New automatic line. Trakt. i sel'khozmash. 31 no.7:39-40 Jl '61. (MIRA 14:6)

(Tractor industry)
(Automation)

SIMONOV, D.A.

Automatic line for in-feed grinding of stepped shafts. Trakt. i sel'khozmash. 33 no.5:41 My '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya.

SHLAKHTER, M.O., inzh.; SIMONOV, D.M., inzh.

Installing heavy busbars in aluminum electrolysis shops. Mont. i spets.rab.v stroi. 24 no.11:10-12 N '62. (MIRA 15:12)

1. Gosudarstvennyy kavkazskiy trest po elektromontazhnym rabotam No.1.
(Bus conductors (Electricity)) (Aluminum plants)

SIDOROV, V.

Tian Shan Mountains

Mountain explorers. Znanie-sila, No. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1952 1953. Unclassified.

'IMONOV, K. D

SIMONOV, K. D.....Moskva, stolitsa nashei rodiny. Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit-ry, 1947. 46 p. (V pomoshch' lektoru)
"Literatura o Moskve": p. 44-(47)
NN NNC WaU

DLC: DK601.S55

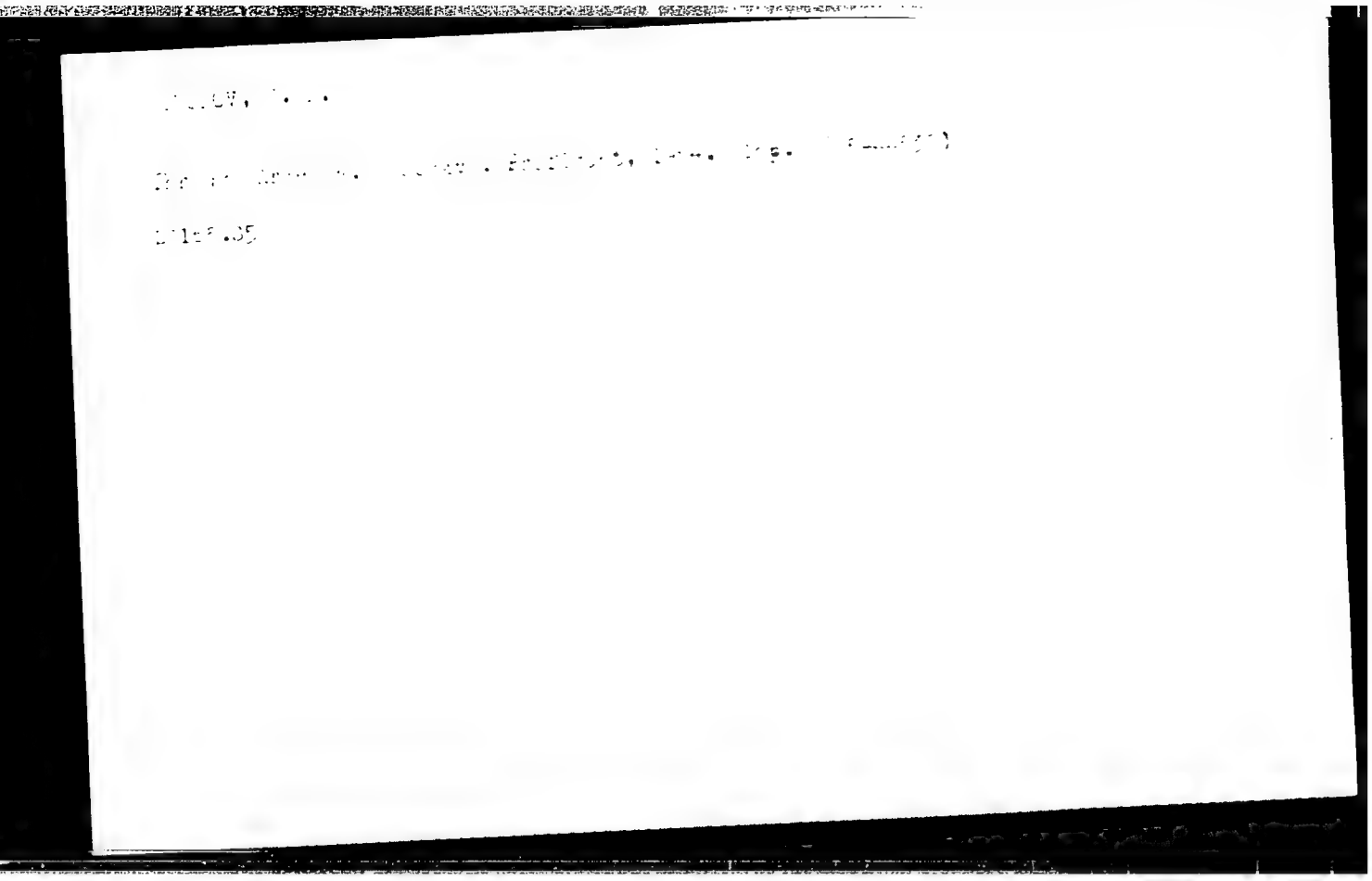
SO: LC, Soviet Geography, Part II, 1951/Unclassified

SIMONOV, E.D.

SIMONOV, E.D. ...Pik Lenina. (Geografiia v shkole, 1949, no. 1., p. 41.).
DLC: Unclass.

MH MN

SO: LC, Soviet Geography, Part II, 1951, Unclassified



SIMONOV, F.F.

Developing pusher tugging on the Ob. Mech.transp. 14 [i.e. 15] no.3:25 Mr '56. (MLRA 9:8)

1. Kapitan-nastavnik Obskogo parokhodstva.
(Ob River--Towing) (Tugboats)

SIMONOV, F. I.

"New Communications Apparatus and Telemechanics Channels," pp 97-111, plus two insertions

Abst: The article discusses communications equipment and telemechanics channels manufactured by domestic industry. The deficiencies of the equipment (large dimensions and poor reliability) are pointed out, and it is shown that the use of new materials will, to a significant degree, correct these faults.

SOURCE: Materialy Nauchno-Tekhnicheskoy Konferentsii po Obmenu Opytom Ekspluatatsii Ustroystv Telemekhaniki i Svyazi Nauchn-Tekhn. O-va Energet. Prom-sti. (Material From the Scientific and Technical Conference on Exchange of Experience in the Operation of Telemechanics and Communications Devices of the Scientific and Technical Society of the Power Engineering Industry), Rostov, 1957.

Sum 1854

SIMONOV, F.I., inzh.; L'VOV, A.P., inzh.

Rectifying device for supplying power to electrolyzers. Prom. energ. 19 no. 4:7-12 Ap '64. (MIRA 17:5)

POZIN, M.Ye., professor; KOPYLEV, B.A.; TUMARKINA, Ye.S.; BEL'CHENKO, G.V.; SIMONOV, G.A., redaktor; ERLIKH, Ye.Ya., tekhnicheskiy redaktor

[Practical manual on the technology of inorganic substances] Rukovodstvo k prakticheskim zaniatiiam po tekhnologii neorganicheskikh veshchestv. Pod obshchei red.M.E.Pozina. Leningrad, Gos. nauchno-tekhn.izd-vo khim.lit-ry, 1957. 291 p. (MLRA 10:7)
(Chemistry, Inorganic)

SIMONOV, V. P.

Building Materials - Testing

Method of Determining the thermophysical characteristics of building materials Stroi. prom 30 No. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.

BOROVIK, M.G.; SOLOMON, L.S.; SIMONOV, G.T.; EDEL'SON, I.S.

Use of feldspar sand in foundry practice. Lit.proizv. no.9: 32-3 of cover S '57. (MIRA 10:10)
(Sand, Foundry) (Feldspar)

[illegible], G.V.; TRUTEVA, N.D.

Manufacture of planer knives with the use of chemical and heat treatment method. Der. prom. 14 no.9:10-11 S '65.
(MIRA 18:12)

1. Tomskiy politekhnicheskiy institut im. S.M. Kirova.

RYAZANOV, V.S.; BUTUZOVA, V.F.; SINCLOV, G.V.; GOL'DSHTEYN, A.M.; KORNEYEV, N.A.; SAMOYLOV, Ya.M.; LYSYKH, I.V.; KHAEL'NITSKIY, G.S.; KRUTIKOV, Ye.B.; ANTONOV, M.F.; DOBROSEL'SKAYA, T.M.

[Recommendations for the establishment of schemes for planning farming areas] Rekomendatsii po sostavleniiu skhem planirovki sel'skokhozialstvennykh raionov. Moskva, Stroiizdat, 1965. 151 p. (MIRA 18:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut po gradostroitel'stvu. 2. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut po gradostroitel'stvu, Moskva.

L 07142-67 EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JD

ACC NR: AR6027450 SOURCE CODE: UR/0276/66/000/004/G006/G006

38

AUTHOR: Krevskiy, G. G.; Simonov, G. V.; Tyuteva, N. D.

TITLE: Effect of ultrasonic treatment on the crystallization process in ShKh15 steel

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 4G32

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 192-195

TOPIC TAGS: ultrasonics, metal crystallization, magnetostriction

ABSTRACT: Ingots 38 mm in diameter and 100-120 mm high teemed in metal and ceramic molds were used for studying the effect of ultrasonic treatment on the crystallization process in ShKh15 steel melted in an acid induction furnace. A ZZG-6 ultrasonic generator was used with magnetostriction transducers made from K50F2 alloy. Oscillations were set up in the metal through cylindrical, exponential and conical concentrators. The concentrator was placed directly in the bottom of the mold. Ultrasonic vibration was continued throughout the entire crystallization period until the ingot was cooled to about 500°C. Ultrasonic conditions: resonance frequency 19.4-19.45 kc, power 2.6-2.8 kw, electroacoustic efficiency 46.4-47.7%. The rate of crystallization was controlled by varying the wall thickness in metal molds and by heating in ceramic molds. Control ingots without ultrasonic treatment were cast in all cases. It was found that ultrasonic treatment increases density and the volume of the shrinkage cavity in all

Card 1/2 UDC: 669.15-194:621.746.62:621.034

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ACC NR: AR6027450

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ingots. Cylindrical concentrators are most effective. The treatment has a better effect in metal molds. An increase in grain size is observed together with an overall improvement in structure at a low rate of crystallization. 4 illustrations, bibliography of 7 titles. A. Litinskiy. [Translation of abstract]

SUB CODE: 11

Card 2/2 nst

SIMONOV, I., prof.

Longlasting butter or "bread of tomorrow." Znan.-sila 35 no.2:33 F '60. (MIRA 13:5)
(Nuts) (Oils and fats, Edible)

SIMONOV, I., kand.iskusstvoved.nauk; SHIVANOV, A., inzh.

The "Termenvoks" device. Radio no.10:36-37 O '64.

(MIRA 18:2)

[redacted], I., kand. tekhn. nauk; [redacted], A., inzh.

Transistorized generators for multitone electronic musical instruments. Radio no.9:33-36 S '64.

(MIRA 19:1)

MAMONTOV, M.S.; SIMONOV, I.A.

"History of the electrification of the U.S.S.R." by D.G. Zhimerin.
Elek. sta. 34 no.8:95-96 Ag '63. (MIRA 16:11)

SIMONOV, I.D.

Dynamic diapasons of soloists and ensembles. Probl.fiziol.akust. 2:166-169 '50 (MIRA 10:11)

1. Akusticheskaya laboratoriya Moskovskoy Gosudarstvennoy konservatorii im. P.I.Chaykovskogo.
(Music--Acoustics and physics) (Sound--Measurement)

KORSUNSKIY, Saul Grigor'yevich; SIMONOV, Igor' Dmitriyevich; GINZBURG, Z.B., redaktor; VORONIN, K.P., tekhnicheskiy redaktor.

[Electric musical instruments] Elektromuzykal'nye instrumenty. Moskva, Gos.energ.izd-vo, 1957. 63 p. (Massovaia radiobiblioteka, no.271) (MIRA 10:11)

(Musical instruments, Electric)

SIMANOV, pt. 2

6(5) PHASE I BOOK EXPLOITATION SOV/1930

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zvukozapisi

Trudy...Vyp. 2. (Transactions of the All-Union Sound-recording Scientific Institute) Nr 2. Moscow, 1957. 164 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: L.P. Apollonova, V.S. Vaynberg, D.P. Vasilevskiy, A.A. Vreblevskiy, S.A. Gribkova, L.O. Grigorash, B.Ya. Kazanskiy, V.I. Parkhomenko, L.A. Puzest, Ye.I. Regirer, M.A. Rosenblat; Tech. Ed.: S.A. Gribkova.

PURPOSE: This collection of articles may be useful to scientists, engineers, specialists, and technicians dealing with sound-recording techniques.

COVERAGE: The articles are the results of research carried out at VNIIZ in 1954-1955. Most of the articles deal with magnetic recording, both for the recording of sound as well as for fixing various physical processes on tape, wire, disc, or drum. References appear separately after each article.

Table of Contents:

Langer, A.M. On the Problem of Selecting the Type and Parameters of the Drive Motor for a Three-motor Broadcast Tape Recorder 131
The author lists and discusses the requirements of the drive motor. His article is a continuation of the previous article. There are no references.

Langer, A.M. Two-speed Synchronous Drive Motor for a Broadcast Tape Recorder 143
The author provides technical specifications and recommendations on the selection of a two-speed motor. There are no references.

Nestyukhova, Z.N. On the Audibility of Distortions of a Short Tone 149
The author reports on the results of investigation of the audibility of nonlinear distortions caused chiefly by overmodulation in recording. She also discusses the effect of distortion level and its duration on audibility. There are 5 references: 2 Soviet, 2 German and 1 English.

Simanov, I.V., and S.G. Kerzumskiy. Call Signal Apparatus 157
The authors explain the operating principle and basic characteristics of a tuning-fork call-signal apparatus designed and developed by VNIIZ. They refer to a mechanical call-signal apparatus designed by V.F. Malitsev and discuss the advantages of the new apparatus, which is basically an automatic musical instrument. There are 6 references: 3 Soviet, 2 English, and 1 German.

AVAILABLE: Library of Congress

(3)

В. В. Фурдуев.
С. Н. [illegible]

Текущая автокорреляция речевого сигнала

9 июня

(с 18 до 22 часов)

Н. Д. [illegible].
С. Г. Корсунский

Электромузыкальные инструменты

В. С. [illegible]

О [illegible] передачи [illegible] звучащих источников звука при стереофоническом и [illegible] воспроизведении

Л. М. [illegible]

Стереофоническое воспроизведение звука

10 июня

(с 10 до 16 часов)

В. А. [illegible].
Н. А. [illegible]

Контроль и измерение трактов в крупных системах проводного вещания

А. С. [illegible]

Методы [illegible] соединительных линий трактов в крупных системах проводного вещания

В. М. [illegible]

Полупроводниковые корректирующие усилители МГРС для соединительных линий

В. А. [illegible]

Новый прибор для [illegible] измерения по частотным показателям в проводном вещании

10 июня

(с 18 до 22 часов)

Н. Д. [illegible]

Звукоусилительные станции на полупроводниковых элементах

Н. Н. [illegible]

Анализ нелинейных искажений, возникающих при воздействии на нелинейную систему одного и двух синусоидальных токов

11 июня

(с 10 до 16 часов)

ВЫЕЗДНОЕ ЗАСЕДАНИЕ НА МОСФИЛЬМЕ

Н. З. [illegible]

Новая система широкоформатного стереофонического кинематографа с [illegible] [illegible], [illegible] по этой системе

Report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNORiE), Moscow, 8-12 June. 1959

SIMONOV, I.F.

Establishing work norms in machinery repair. Mekh. sil'. hosp. [8] no.12:15-16 D '57. (MIRA 10:12)

1. Golovnyy inzhener Vasil'kivs'koi mashinno-traktornoi stantsii, Kiivskoi oblasti.
(Agricultural machinery--Maintenance and repair)

KEDROV, L.V.; KACHKO, I.L.; KOZLOVA, Z.V.; RUBASHKINA, T.S.; SEMOKOV, I.G.; LUPEKIN, L.A.; BORISOVA, N.V.; FETISOVA, N.A.; VAYSBERG, I.Ye.; ZUCHKOV, V.G.; KHRENNIKOV, L.S.; FILATOV, M.F., red.; ZAYTSEVSKAYA, L.G., red.

[Flexible footwear] Gibkaia obuv'. Moskva, 1962. 38 p. (MIRA 17:8)

1. TSentral'nyy institut nauchno-tekhnicheskoy informatsii legkoy promyshlennosti.

ACC NR: AT6024949 (A,N) SOURCE CODE: UR/2981/66/000/004/0331/0340

AUTHOR: Chirkov, Ye. F.; Simonova, I. I.

ORG: none

TITLE: Thin-walled tubes of M-40 alloy

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 331-340

TOPIC TAGS: aluminum alloy property, metal tube

ABSTRACT: Thin-walled tubes of M-40 aluminum alloy (41 x 38 mm in diameter), obtained by cold rolling of pressed tube billets, had the following properties: σ_u = 48-49 kg/mm^2, $\sigma_{0.2}$ = 33-34 kg/mm^2, δ = 16-17%. The optimum conditions of the process for producing thin-walled tubes from M-40 alloy were found to be: pressing of the intermediate tube 54 x 48 mm in diameter from 415-435°C, pressing rate 1 m/min; annealing; cold rolling to a diameter of 41 x 38 mm; quenching from 508±3°C; sizing and mechanical straightening. It was found that tubes of M-40 alloy can be cold-rolled at high delivery rates; the latter do not affect the mechanical properties. The tubes can be forged in the quenched state. Sizing and straightening do not impair the mechanical properties. The optimum schedule of artificial aging was found to be 16 hr at 175°C. The mechanical properties of thin-walled tubes were shown to have only slight differences along the direction of rolling and at right angles to it. The corrosion behav-

Card 1/2

ACC NR: AT6024949

ior of thin-walled tubes of M-40 alloy is similar to that of tubes of D-16 alloy. Authors thank V. A. Shelamov and K. A. Timokhova for assistance in the preparation of the tubes. Orig. art. has: 6 figures and 5 tables.

SUB CODE: 11/ SUBM DATE: none

Card 2/2

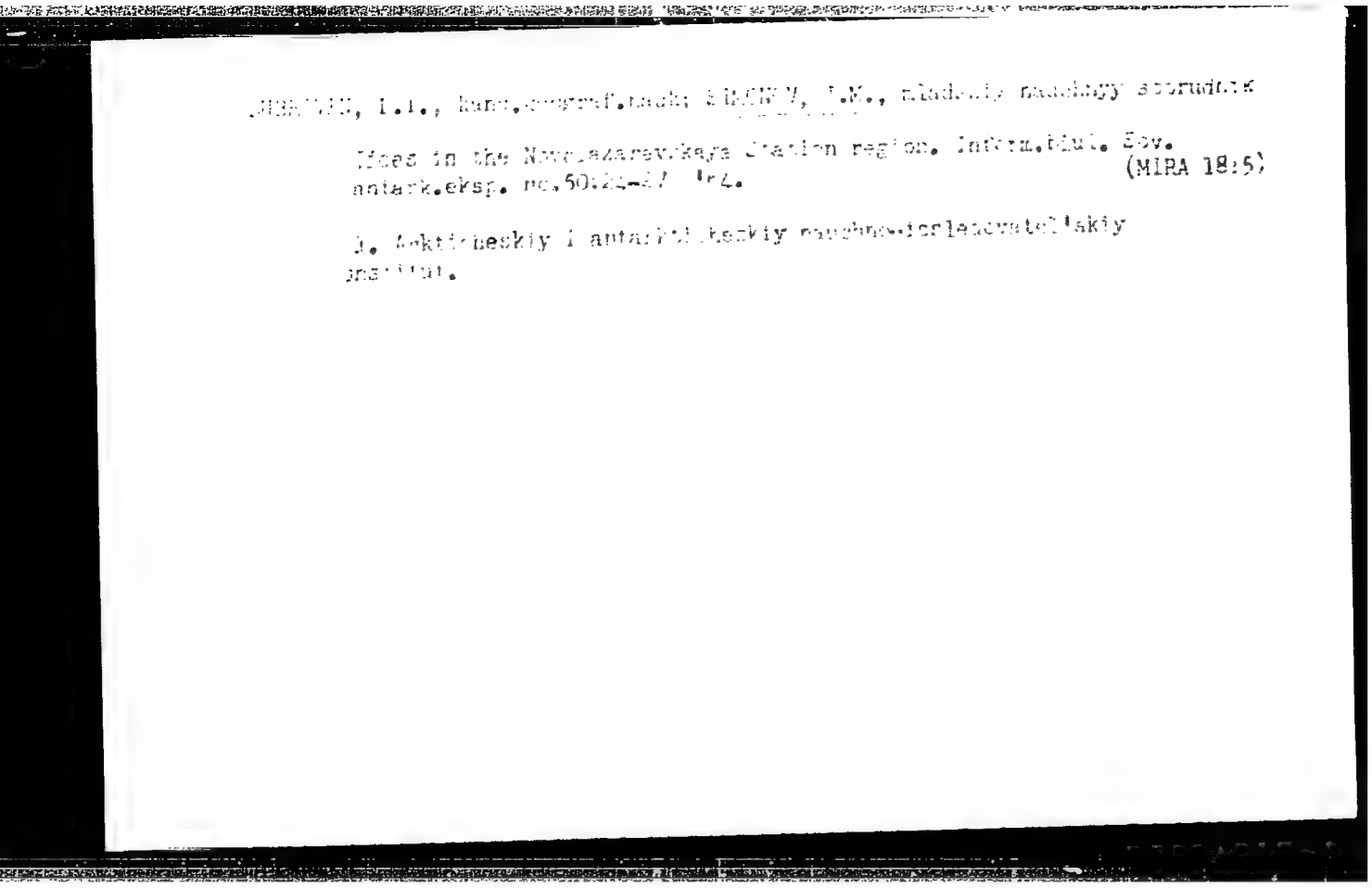
SIMONOV, I.M.; YEGOR'YEVA, A.V.

Scientific session of the Geographical Society of the U.S.S.R. in commemoration of IU.M. Shokal'skii. Izv. AN SSSR Ser. geog. no.2:127-134 Mr-Ap '57. (MIRA 10:12)
(Shokal'skii, IUlii Mikhailovich, 1856-1940)

SINOKOV, I.M., mladshiy nauchnyy sotrudnik

Characteristics of the snow cover of the Schirmacher Ponds.
Inform.biul.Sov.antark.eksp. no.52:35-39 '65.
(MIRA 18:10)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.



[illegible], I.I., kand.geograf.nauk; SIMOV, I.M., mladshiy nauchnyy sotrudnik

Ideas in the Novolazarevskaya station region. Inform.biul. Sov. antark.eksp. no.50:24-27 '64. (MIRA 18:5)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

SIMONOV, I.M.

Studying the snow cover of the upper horizons of ice on the domes of Franz Josef Land. Geog. sbor. no.17:149-157 '64.
(MIRA 18:8)

SIMONOV, I.M.; GOVORUKHA, L.S.

Physicogeographical expedition to Franz Josef Land. Probl.Arkt.i Antarkt. no.7:59-60 '61. (MIRA 14:10)
(Franz Josef Land--Physical geography)

S/169/62/000/004/051/103
D228/D302

AUTHORS: Govorukha, L. S. and Simonov, I. M.

TITLE: Question of the glaciation tendency of the Franz Josef Land

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 55-56, abstract 4V329 (V sb. Probl. Arktiki i Antarktiki, no. 9, L., Morsk. transport, 1961, 63-65)

TEXT: It is noted that up to the present time there are conflicting opinions in the literature regarding the glaciation tendency of the Franz Josef Land. The authors speak in favor of the recession of glaciation throughout the archipelago's territory. This position is based on the data of the expedition of the Arkticheskiy i Antarkticheskiy institut (Arctic and Antarctic Institute) in 1960. As a result of the field work the structural-petrographic characteristics of the ice sheet were obtained, and the glaciation's morphologic features were analyzed. It was established that the height of the snow line is situated 300 - 400 m above sea-level.

Card 1/2

Question of the ... S/169/62/000/004/051/103
D228/D302

In this connexion most of the domes are found in the ablation region; for the entire archipelago as a whole this results in a negative balance of matter. The fact of the negative balance is confirmed by the periodic thawing of signs and marks on the domes; the discovery, as a result of melting, of ancient infiltration and infiltration-congelation ice; the presence in the ice of a cryonite horizon, enriched by mineral particles and represented by the weathering products of rocks; the absence of complex horizontal stratification of mineral particles, observed when the balance is positive; and the presence of obviously relic domes, testifying to the decomposition of a single ice sheet. [Abstracter's note: Complete translation.]

Card 2/2

[illegible], I. [illegible]; [illegible], [illegible]

[illegible] limnological studies in Franz [illegible] Land. Izv.
Vses. geog. ob. va [illegible]7 no.2:16[illegible]-175 Mr-Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550710015-6"

SIMONOV, I.M., mladshiy nauchnyy sotrudnik

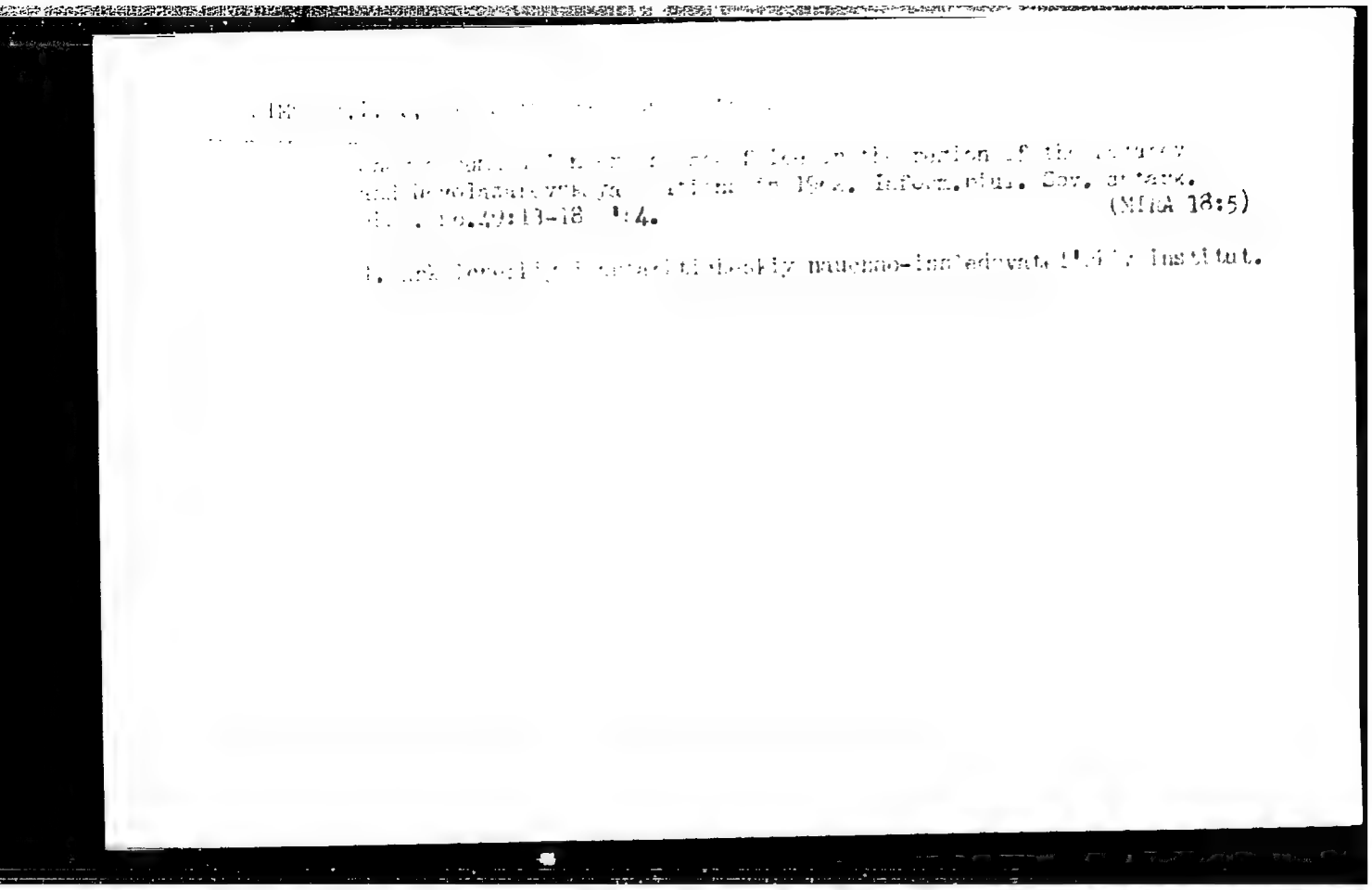
Tidal phenomena in the sea bays of the Schirmacher Oasis. Inform.biul. Sov.antark.eksp. no.41:25-26 '63. (MIRA 17:1)

1. Sed'maya kontinental'naya ekspeditsiya.

SIMONOV, I.M.; [illegible]

Lakes of the Schirmacher Oasis. Inform. biul. Sov. antark. eksp. no.47:19-23 '64. (MIRA 18:4)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.



L 05860-67 EWT(1) W
ACC NR: AT6019032 (N) SOURCE CODE: UR/3174/64/000/050/0024/0027

AUTHOR: Lubrovin, L. I. (Candidate of geographical sciences); Simonov, I. M. (Junior research associate) 16

ORG: Arctic and Antarctic Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut) 15 41

TITLE: Tides in the region of the Novolazarevskaya station

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955-. Informatsionnyy byulleten', no. 50, 1964, 24-27

TOPIC TAGS: ocean tide, Antarctic climate, sea ice / Lagernyy Bay

ABSTRACT: The fluctuation of the sea level at the Novolazarevskaya station was observed between January 10 and February 5, 1963. A marigraph was used to record the height of the tide. The observations were carried out at 1 km north of the station, in Lagernyy Bay, a fresh-water basin on the northern edge of the Schirmacher Ponds. The bay is separated from the open sea by the ice shelf about 80 km wide. The marigraph was installed on ice 2.5 m thick at a distance of 50 m from the shore. The depth at the observational place was 25 m. By comparing the fluctuations of sea level in the open sea and in the bays in the region of the station it was found

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ACC NR: AT6019032

that the character of the tides does not substantially differ, therefore the authors assert that the bays situated along the northern edge of the Schirmacher Ponds and separated from the sea by the wide ice shelf freely communicate with the sea. Thus, appreciable areas of the ice shelf are floating. The depth of the sea under the shelf is rather appreciable, which was confirmed by data of a geomagnetic survey performed in 1963. Orig. art. has: 1 table and 3 figures.

SUB CODE: 08/ SUBM DATE: 06May64/ ORIG REF: 004

kh

Card 2/2

SHILOV, I. N.

"Change in the Condition of the Nervous System and the Morphological and Biochemical Constitution of the Blood in Horses During Gastrointestinal Diseases Accompanied by Colic Symptoms." Dr Vet Sci, Kazan Zooveterinary Inst Imeni N. E. Bauman, "in Agriculture USSR, Chkalov, 1953. (KL, No 5, Jun 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 576, 24 Jun 55

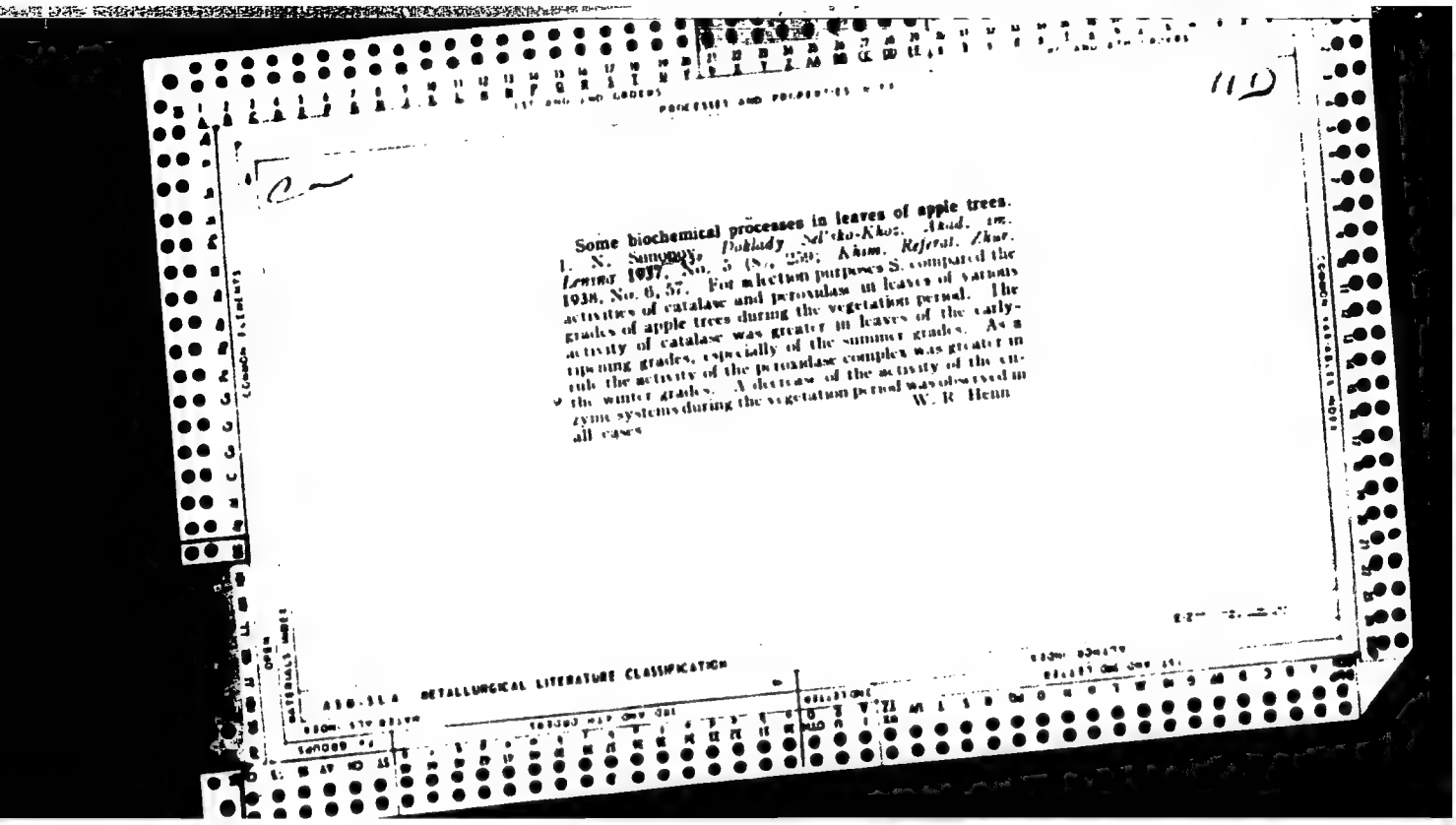
SIMONOV, I.N., prof.; KUDENKO, G.A., assistant

Device for graphically recording the motor function of the rumen in cattle. Veterinariia 36 no.10:43 O '59. (MIRA 13:1)

1. Orenburgskiy sel'skokhozyaystvennyy institut.
(Physiological apparatus) (Rumen)

SIMONOV, I. N. (Professor), PAKHOMKINA, A. I. (Senior Laboratory Technician, Orenburg Agricultural Institute), KUDENKO, A. I. (Veterinary Doctor, Petrovsk Veterinary District).

"Raising calves in unheated sheds reduces the incidence of disease..." Veterinariya, vol. 39, no. 2, February 1962 pp. 10



Some biochemical processes in leaves of apple trees. I. N. Samoĭlov. *Poklady Sel'sko-Khoz. Akad. im. Lenina* 1937, No. 5 (No. 23); *Khim. Referat. Zhur.* 1938, No. 6, 57. For selection purposes S. compared the activities of catalase and peroxidase in leaves of various grades of apple trees during the vegetation period. The activity of catalase was greater in leaves of the early-ripening grades, especially of the summer grades. As a rule the activity of the peroxidase complex was greater in the winter grades. A decrease of the activity of the enzyme systems during the vegetation period was observed in all cases.

W. R. Henn

SIMONOV, I. N.

Simonov, I. N. "Active study of the scientific heritage of I. V. Michurin and K. A. Timiryazev", Vestnik Vyssh. shkoly, 1949, No. 5, p. 28-31.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

SIMONOV, I. N.

Mbr., All-Union Agriculture Inst. Correspondence Training, -c1949-; Cand. Agricultural Sci.

"Utilization of a Method of Pollinization by a Blend of Pollen for the Selection of a Pollinator for Currants," Agrobiol. 5, 1949.

33340. Ulychshit' Kachestvo Podgotovki V Vuzakh Kadrov Po lodovodstvu // Ovoshchevodstvo. Sad I Ogorod, 1949, No. 10, c. 5-7

SO: Letopis' Zhurnal'nykh Statey Vol. 45, Moskva, 1949

SIMONOV, I.N.

New method of studying the phosphorus utilization by grapevine. I. N. Simonov and E. V. Mironov. *Vinodelie i Vinogradarstvo S.S.S.R.* 11, No. 11, 33–5(1951).—With radioactive P the distribution of P in grapevine at different vegetative periods was investigated. The pictures and the data (counts/min./g. dry substance) indicate that P is concd. mainly in the roots, stalks, buds, and the youngest leaves; more radioactive P was present in the stigmas pollinated with a mixt. of pollen derived from the blossoms of 4 different types of grapevine than from the blossoms of only one type. E. Wierbicki

SIMONOV, I. N., IR.

USSR/Biology - Radioactive Isotopes Dec 51

"The Movement of Phosphorus, Tracer in Fruit, Berry, and Citrus Plants," I. N. Simonov, Dr Agr Sci, Ye V. Mironov, All-Union Agr Inst of Correspondence Course Instruction

"Dok v-s Ak Selkhoz Nauk" Vol XVI, No 12, pp 40-43.

Describes expts with P_{32} carried out at their institute. Plants were grown in soln contg the tracer and later photographed. Finds there is concn of phosphorus in the flowers of some plants; that phosphorus accumulates in flowers which have been fertilized.

193T2

ZHUKOV, I. N.; MYSKOV, YE. V.

Metabolism

Tracer method of studying phosphorous metabolism in forest plants., Les i step' 4, no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 XXXX, Uncl.

[illegible], K.

GEOMORPHOLOGY

Periodicals: [illegible] Vol. 36, No. 11, 1958. (Nov.)

[illegible], K. In the Tatra Mountains. Tr. from the Russian. (To be contn.)
p. 41[illegible].

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

[illegible], E.

GEOLOGY & GEOLOGY

Periodicals: KRASN ZHIZN NSFA. Vol. 35, No. 12, Dec., 1958

[illegible], K. In the Tatra Mountains. Tr. from the Russian. p. 451.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959, Unclass.

SIMONOV, K.

GEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA Vol. 36, no. 1, Jan. 1959.

SIMONOV, K. In the Tatra Mountains. (Conclusion) p. 12.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5 May 1959, Unclass.

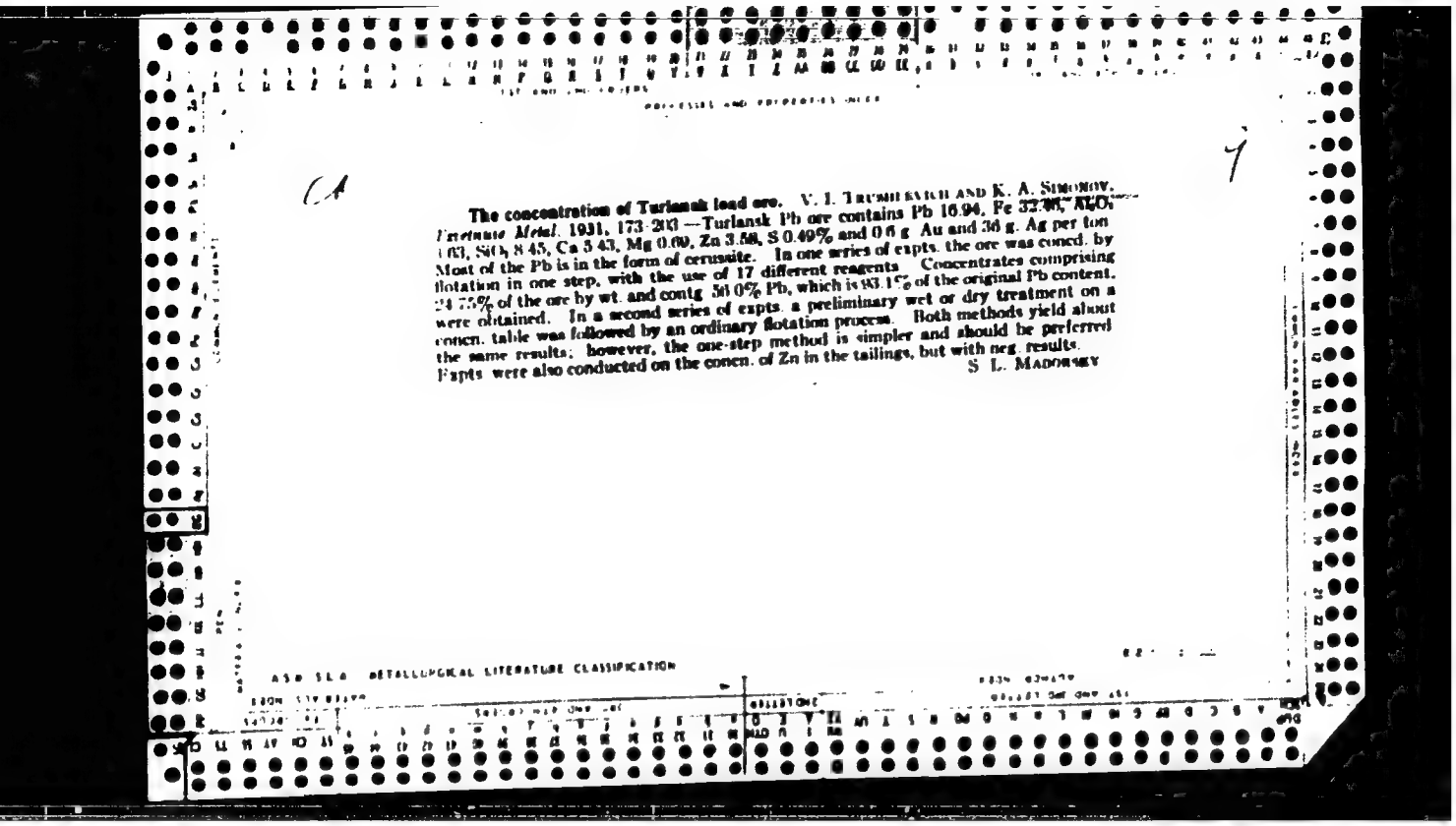
SIMONOV, K.

Construction of medical and children's facilities by collective farms of Ryazan Province in 1957. Zdrav.Ros.Feder. 2 no.4:20-21 Ap '58. (MIRA 11:4)

1. Zaveduyushchiy Ryazanskim oblzdravotdelom
(RYAZAN PROVINCE--PUBLIC HEALTH, RURAL)

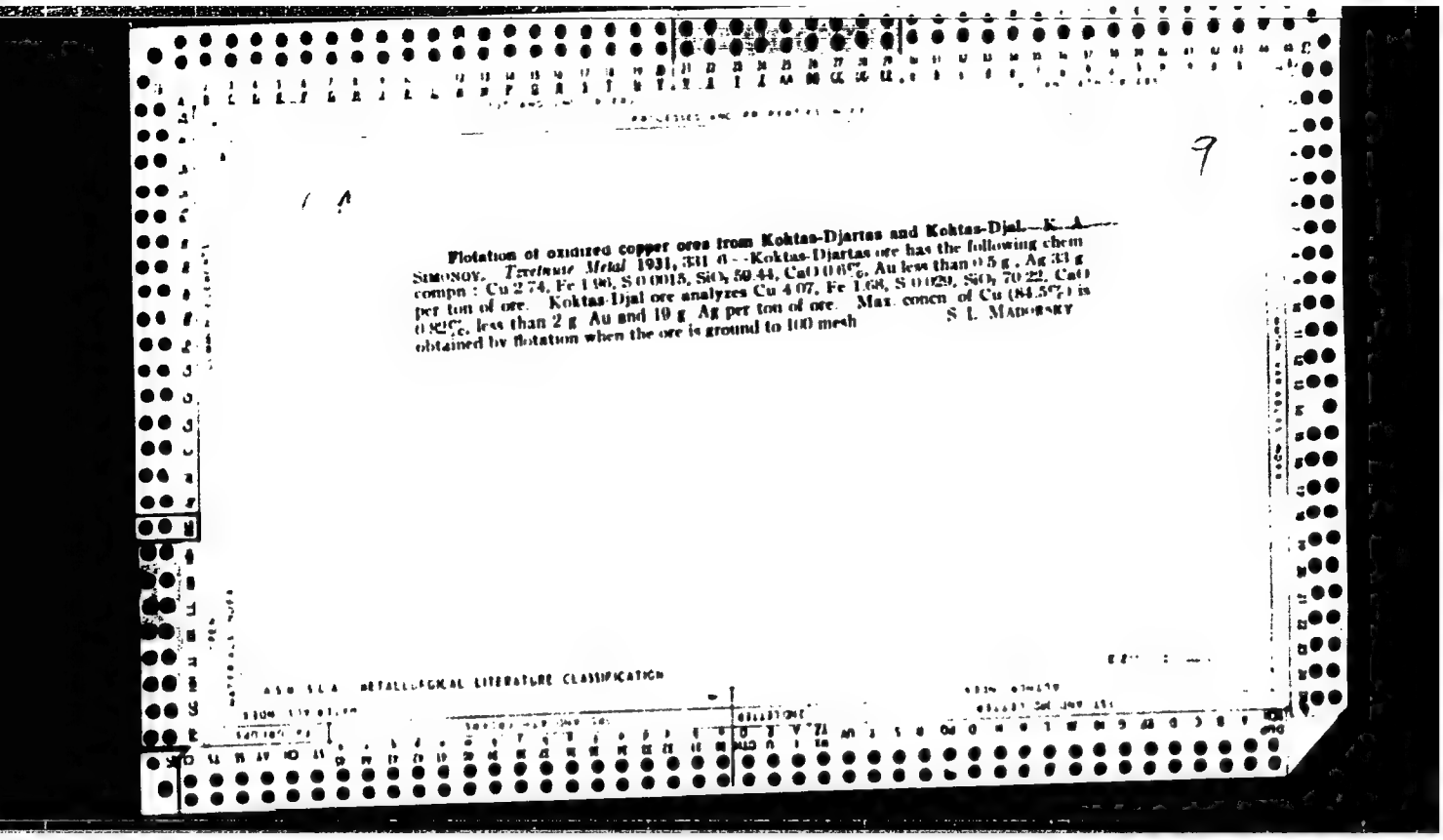
SZIMONOV, Konsztantyin [Simonov, Konstantin]

In an artic night. Repules 16 no.2:6 F '63.

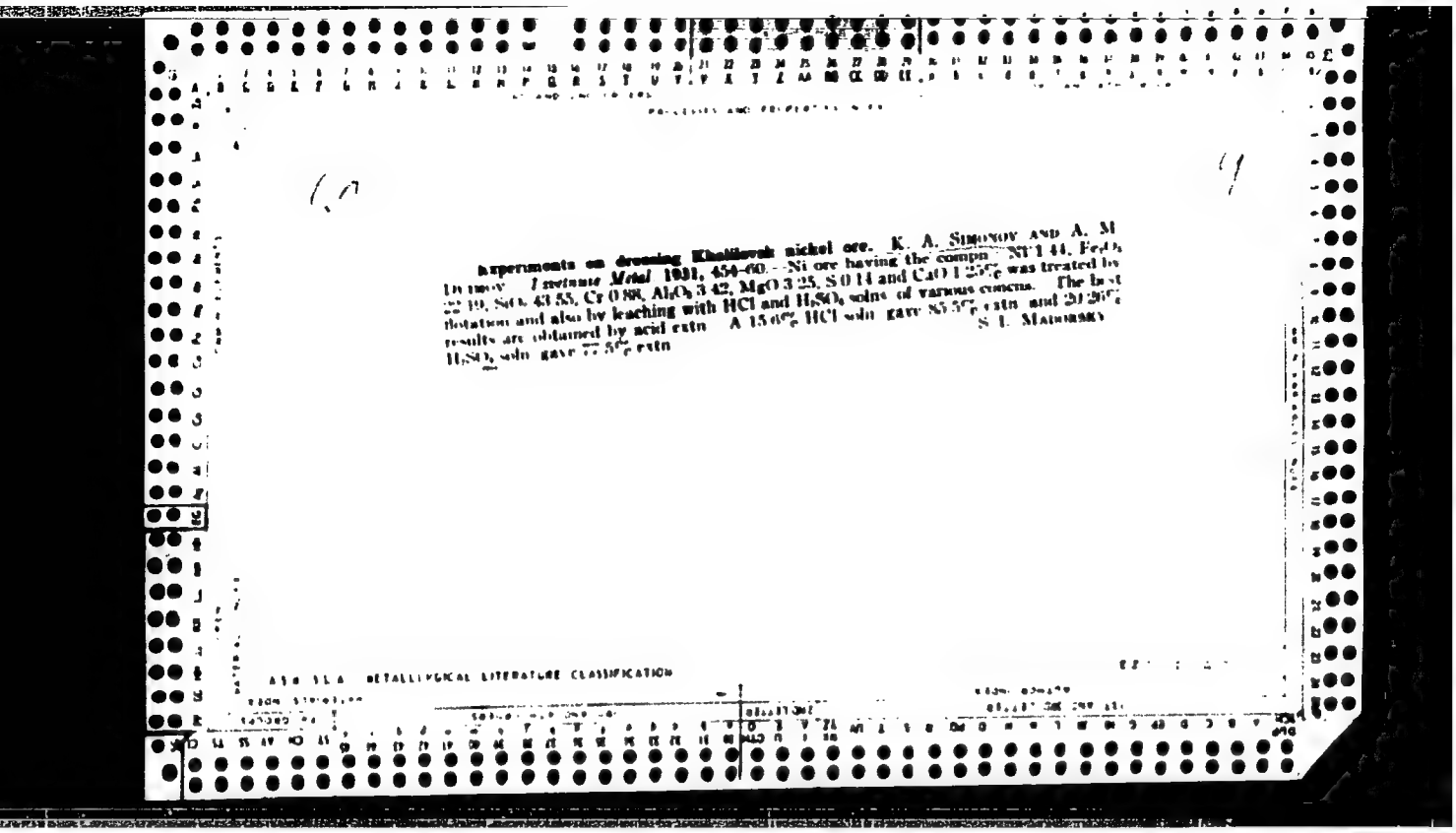


The concentration of Turlansk lead ore. V. I. TRUSHEVICH AND K. A. SIMONOV. *Tsvetnye Metal.* 1931, 173-203.—Turlansk Pb ore contains Pb 16.96, Fe 32.98, Al_2O_3 1.03, SiO$_2$ 8.45, Ca 5.43, Mg 0.60, Zn 3.58, S 0.49% and 0.6 g. Au and 36 g. Ag per ton. Most of the Pb is in the form of cerussite. In one series of expts. the ore was concd. by flotation in one step, with the use of 17 different reagents. Concentrates comprising 24.75% of the ore by wt. and contg. 50.0% Pb, which is 83.1% of the original Pb content, were obtained. In a second series of expts. a preliminary wet or dry treatment on a concn. table was followed by an ordinary flotation process. Both methods yield about the same results; however, the one-step method is simpler and should be preferred. Expts. were also conducted on the concn. of Zn in the tailings, but with neg. results.

S. L. MADORSKY

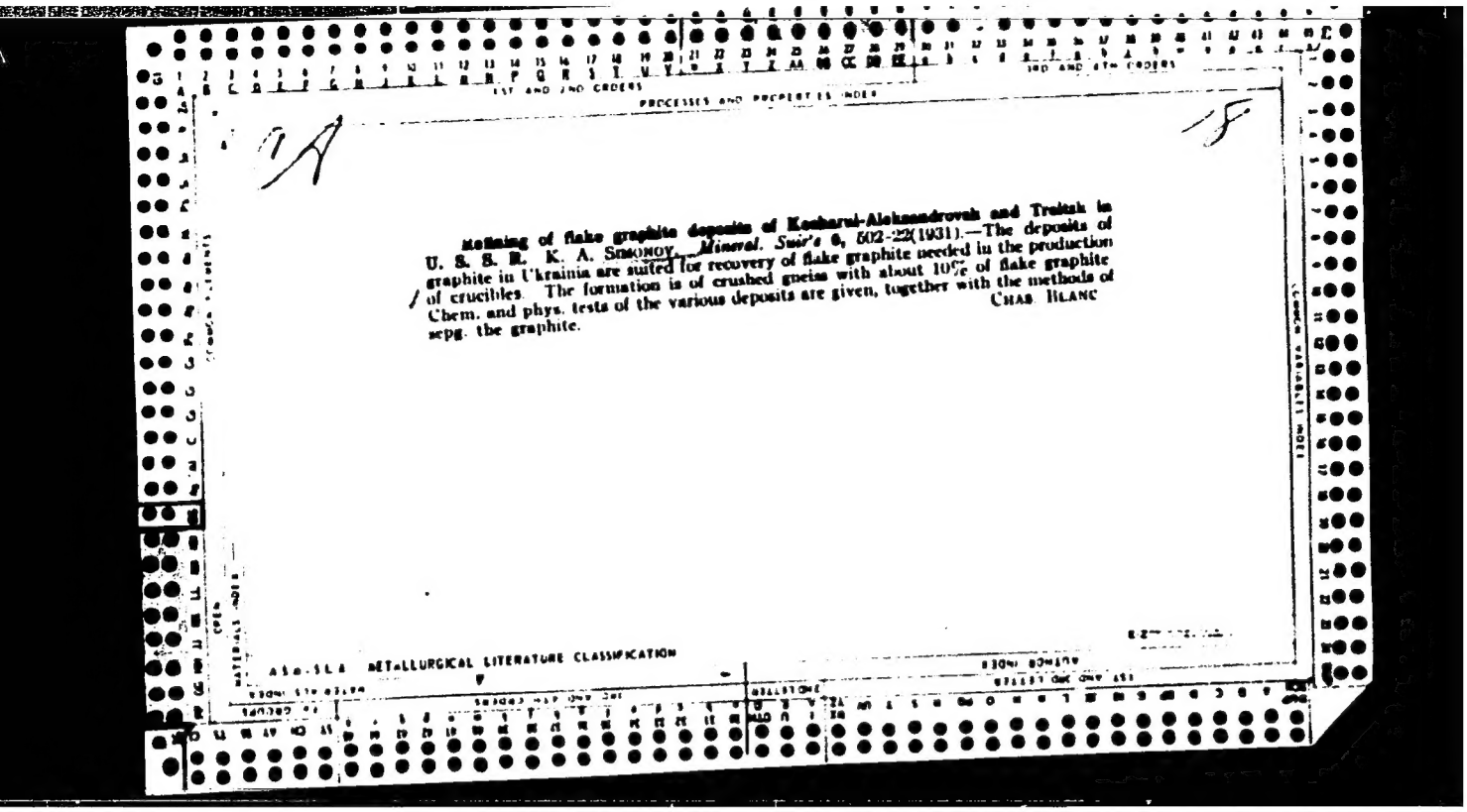


Flotation of oxidized copper ores from Koktas-Djartas and Koktas-Djal.—K. A. SIMONOV. *Tsvetnye Metal* 1931, 331 6.—Koktas-Djartas ore has the following chem compn: Cu 2.74, Fe 1.90, S 0.0015, SiO$_2$ 59.44, CaO 0.6%. Au less than 0.5 g., Ag 33 g per ton of ore. Koktas-Djal ore analyzes Cu 4.07, Fe 1.68, S 0.029, SiO$_2$ 70.22, CaO 0.82%, less than 2 g. Au and 10 g. Ag per ton of ore. Max. concn. of Cu (84.5%) is obtained by flotation when the ore is ground to 100 mesh S. L. MADORSKY



Experiments on dressing Khalilovsk nickel ore. K. A. Sinyakov and A. M. Dymov. *Tsvetnye Metal* **1931**, 454–60.—Ni ore having the compn. Ni 1.44, Fe(t.) 22.19, SiO$_2$ 43.55, Cr 0.88, Al$_2$O$_3$ 3.42, MgO 3.25, S 0.14 and CaO 1.25% was treated by flotation and also by leaching with HCl and H_2SO_4 solns. of various concns. The best results are obtained by acid extn. A 15.6% HCl soln. gave 85.5% extn. and 20.26% H_2SO_4 soln. gave 77.5% extn.
S. L. Malyusky

A54 VLA METALLURGICAL LITERATURE CLASSIFICATION



Refining of flake graphite deposits of Kosharui-Aleksandrovsk and Troitsk in U. S. S. R. K. A. SMOLOV. *Mineral. Snir'e* 6, 502-22(1931).—The deposits of graphite in Ukrainia are suited for recovery of flake graphite needed in the production of crucibles. The formation is of crushed gneiss with about 10% of flake graphite. Chem. and phys. tests of the various deposits are given, together with the methods of sepg. the graphite.

CHAS. BLANC

A1a-5L4 METALLURGICAL LITERATURE CLASSIFICATION

SIMONOV, K.A

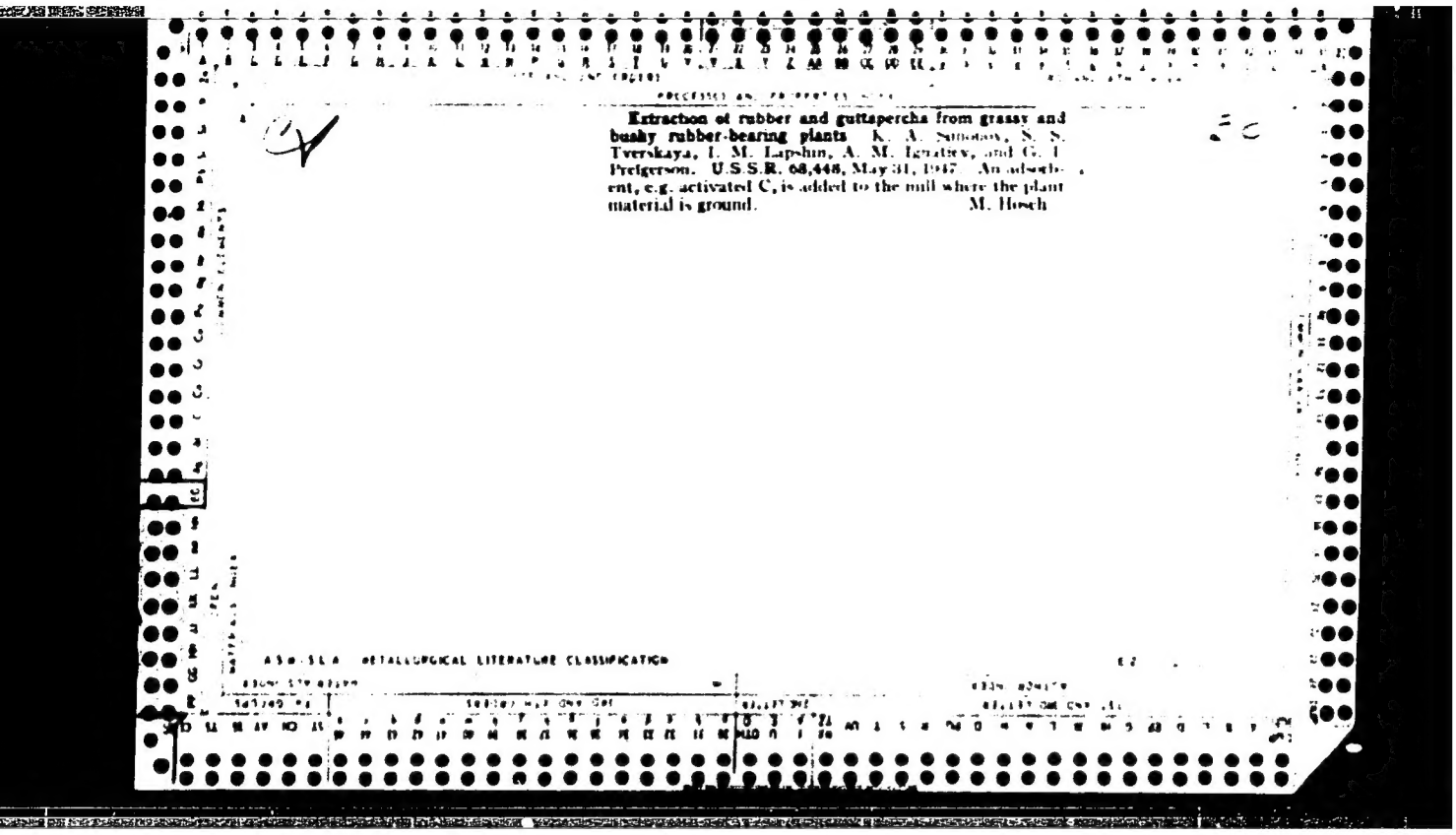
[redacted]

1. SIMONOV, K. A.

2. USSR (600)

Candidate of Technical Sciences
Docent of Moscow Mining Institute
"A General Course in the Concentration of Non-Ferrous Metal Ores"
(Obshchiy kurs obogashcheniya tsvetnykh rud) by S. I. Volkhin and V.Ya. Chekmarev.
Reviewed by K. A. Simonov. Tsvet. Met.
14, No 4, 1939.

[redacted] Report U-1504, 4 Oct. 1951



Extraction of rubber and guttapercha from grassy and bushy rubber-bearing plants K. A. Simonov, S. S. Tverskaya, I. M. Lapshin, A. M. Ignatiev, and G. I. Preigerson. U.S.S.R. 68,448, May 31, 1947. An adsorbent, e.g. activated C, is added to the mill where the plant material is ground. M. Hosch

Rubber Abstracts

Gutta-Percha, Balata, Chicle and Jelutong

Extraction of rubber and gutta-percha from [illegible] and bushy rubber bearing plants. [illegible]

[illegible] plant material or ground.

1949